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NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 5 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 6 MAY 11 KOREAPAT updates resume
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available |

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FILE 'HOME' ENTERED AT 15:09:24 ON 17 AUG 2006

=> file hcaplus.

Updated Search

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 1.89 | 1.89 |

FILE 'HCAPLUS' ENTERED AT 15:14:43 ON 17 AUG 2006
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FILE COVERS 1907 - 17 Aug 2006 VOL 145 ISS 8
FILE LAST UPDATED: 16 Aug 2006 (20060816/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s ep1 () receptor or PGE1 () receptor or EP1 () protein?
    1185 EP1
    662511 RECEPTOR
    607599 RECEPTORS
    788347 RECEPTOR
        (RECEPTOR OR RECEPTORS)
    299 EP1 (W) RECEPTOR
    8877 PGE1
    662511 RECEPTOR
    607599 RECEPTORS
    788347 RECEPTOR
        (RECEPTOR OR RECEPTORS)
    136 PGE1 (W) RECEPTOR
    1185 EP1
    2256060 PROTEIN?
    10 EP1 (W) PROTEIN?
L1      441 EP1 (W) RECEPTOR OR PGE1 (W) RECEPTOR OR EP1 (W) PROTEIN?

=> s l1 or prostaglandin () E () receptor () 1
    69130 PROSTAGLANDIN
    43797 PROSTAGLANDINS
    79438 PROSTAGLANDIN
        (PROSTAGLANDIN OR PROSTAGLANDINS)
    1956873 E
    662511 RECEPTOR
    607599 RECEPTORS
    788347 RECEPTOR
        (RECEPTOR OR RECEPTORS)
    8778477 1
    2 PROSTAGLANDIN (W) E (W) RECEPTOR (W) 1
L2      443 L1 OR PROSTAGLANDIN (W) E (W) RECEPTOR (W) 1
```

Updated Search

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=> s 12 or PTGER1 () protein
 8 PTGER1
 1901662 PROTEIN
 1328154 PROTEINS
 2213705 PROTEIN
 (PROTEIN OR PROTEINS)
 0 PTGER1 (W) PROTEIN
L3 443 L2 OR PTGER1 (W) PROTEIN

=> s 12 or prostanoid EP1 receptor
 6256 PROSTANOID
 4209 PROSTANOIDS
 8282 PROSTANOID
 (PROSTANOID OR PROSTANOIDS)
 1185 EP1
 662511 RECEPTOR
 607599 RECEPATORS
 788347 RECEPTOR
 (RECEPTOR OR RECEPATORS)
 22 PROSTANOID EP1 RECEPTOR
 (PROSTANOID(W)EP1(W)RECEPTOR)
L4 443 L2 OR PROSTANOID EP1 RECEPTOR

=> s 14 () antagonist?
 236746 ANTAGONIST?
L5 78 L4 (W) ANTAGONIST?

=> s 15 and pain
 45186 PAIN
 1074 PAINS
 45917 PAIN
 (PAIN OR PAINS)
L6 22 L5 AND PAIN

=> s 16 and review/dt
 1949501 REVIEW/DT
L7 0 L6 AND REVIEW/DT

=> s inflammatory () disorder? or bone () disorder? or neurodegenerative () disorder? or renal () disorder?
 161861 INFLAMMATORY
 310 INFLAMMATORIES
 161957 INFLAMMATORY
 (INFLAMMATORY OR INFLAMMATORIES)
 430304 DISORDER?
 2585 INFLAMMATORY (W) DISORDER?
 190554 BONE
 22371 BONES
 196774 BONE
 (BONE OR BONES)
 430304 DISORDER?
 773 BONE (W) DISORDER?
 16006 NEURODEGENERATIVE
 1 NEURODEGENERATIVES
 16006 NEURODEGENERATIVE
 (NEURODEGENERATIVE OR NEURODEGENERATIVES)
 430304 DISORDER?
 5575 NEURODEGENERATIVE (W) DISORDER?

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147408 RENAL
11 RENALS
147413 RENAL
(RENAL OR RENALS)
430304 DISORDER?
598 RENAL (W) DISORDER?
L8 9493 INFLAMMATORY (W) DISORDER? OR BONE (W) DISORDER? OR NEURODEGENERATIVE (W) DISORDER? OR RENAL (W) DISORDER?

=> d his

(FILE 'HOME' ENTERED AT 15:09:24 ON 17 AUG 2006)

FILE 'HCAPLUS' ENTERED AT 15:14:43 ON 17 AUG 2006
L1 441 S EP1 () RECEPTOR OR PGE1 () RECEPTOR OR EP1 () PROTEIN?
L2 443 S L1 OR PROSTAGLANDIN () E () RECEPTOR () 1
L3 443 S L2 OR PTGER1 () PROTEIN
L4 443 S L2 OR PROSTANOID EP1 RECEPTOR
L5 78 S L4 () ANTAGONIST?
L6 22 S L5 AND PAIN
L7 0 S L6 AND REVIEW/DT
L8 9493 S INFLAMMATORY () DISORDER? OR BONE () DISORDER? OR NEURODEGENE

=> s 18 and 15

L9 3 L8 AND L5

=> s 19 and review/dt

1949501 REVIEW/DT

L10 0 L9 AND REVIEW/DT

=> s 18 () 15

L11 0 L8 (W) L5

=> s 15 and review/dt

1949501 REVIEW/DT

L12 1 L5 AND REVIEW/DT

=> d 112, ibib abs, 1

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:542000 HCAPLUS
DOCUMENT NUMBER: 138:117079
TITLE: COX-2 and prostanoid receptors: good targets for chemoprevention
AUTHOR(S): Kawamori, Toshihiko; Wakabayashi, Keiji
.CORPORATE SOURCE: Cancer Prevention Division, National Cancer Center Research Institute, Tokyo, 104-0045, Japan
SOURCE: Journal of Environmental Pathology, Toxicology and Oncology (2002), 21(2), 149-153
CODEN: JEPOEC; ISSN: 0731-8898
PUBLISHER: Begell House, Inc.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review. Accumulating evidence indicates that COX-2 inhibitors are involved in colon and breast cancer development. Our previous studies indicated that nimesulide and celecoxib, selective COX-2 inhibitors, show inhibitory effects of intestinal carcinogenesis in azoxymethane-treated rats and mice and in Min mice models. We recently found that nimesulide suppressed PhIP-induced breast cancer in female SD rats in which COX-2

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protein was over-expressed. These results led us to investigate the effects of prostaglandin E2 (PGE2) in the target tissues. PGE2 showed its biol. activity through binding to its membrane receptors, EP1-4. We also investigated the effects of EP receptors on colon carcinogenesis. We used receptor knockout mice and selective receptor antagonists. Our results indicated that the EP1 receptor plays a pivotal role in colon carcinogenesis. Selective EP1 receptor antagonists may be a new class of chemopreventive agents against colon cancer.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

National Library of Medicine - Medical Subject Headings

2006 MeSH

MeSH Supplementary Concept Data

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| | |
|-------------------|---|
| Name of Substance | prostanoid receptor EP1 |
| Record Type | C |
| Registry Number | 0 |
| Entry Term | EP1 receptor |
| Entry Term | PGE1 receptor |
| Entry Term | receptor, prostanoid EP1 |
| Entry Term | Prostanoid EP1 receptor |
| Entry Term | PGE receptor, EP1 subtype |
| Entry Term | Prostaglandin E2 receptor, EP1 subtype |
| Entry Term | PTGER1 protein, human |
| Entry Term | prostaglandin E receptor 1 (subtype EP1), 42kDa protein, human |
| Entry Term | EP1 protein, human |
| Entry Term | prostanoid EP1 receptor, human |
| Entry Term | Ptger1 protein, mouse |
| Entry Term | prostaglandin E receptor 1 (subtype EP1) protein, mouse |
| Entry Term | Ptgerep1 protein, mouse |
| Entry Term | EP1 protein, mouse |
| Entry Term | Ptger1 protein, rat |
| Entry Term | prostaglandin E receptor 1, rat |
| Entry Term | Prostaglandin E receptor 1 (subtype EP1) protein, rat |
| Heading Mapped to | *Receptors, Prostaglandin E |
| Source | Eur J Biochem 1995 Aug 1;231(3):809-14 |
| Frequency | 166 |
| Note | a prostaglandin E2 receptor, subtype EP1 from mouse brain; has been shown to be of major importance for colon cancer development; amino acid sequence given in first source; GenBank Z49986-7 (mouse); RefSeq NM_000955 (human), NM_013641 (mouse), NM_013100 (rat) |
| Date of Entry | 19950922 |
| Revision | |

| | |
|-----------|----------|
| Date | 20050510 |
| Unique ID | C095243 |

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EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1 | 7093 | ((562/463) or (514/689) or (546/318) or (546/56) or (544/403) or (544/335) or (514/256) or (544/389) or (514/255.01) or (546/322) or (514/277) or (544/172) or (514/239.2)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/08/17 17:59 |
| L2 | 12 | 1 and heterocyclic and cyclopent-1-enyl | US-PGPUB; USPAT | OR | OFF | 2006/08/17 18:00 |